GENERAL INFORMATION CONTACT

Wendy McBride (303) 497-4500 Fax Number: (303) 497-5208 Email: wmcbride@boulder.nist.gov

REGISTRATION INFORMATION

The registration fee is \$475 and includes the reception and a copy of the conference digest. Registration can be completed online from the SOFM website at www.boulder.nist.gov/sofm

Registration Deadline **September 13, 2006**

Requests for cancellation and refund must be received in writing by **September 5, 2006.**

Because of security requirements in U.S. Government facilities, pre-registration is required.

Foreign Nationals

Please visit www.boulder.nist.gov/sofm for explicit entry requirements to the conference.

ACCOMMODATIONS

Best Western Boulder Inn 770 28th Street, Boulder, CO 80303

770 28th Street, Boulder, CO 80303 Phone: (303) 449-3800 Fax: (303) 402-9118

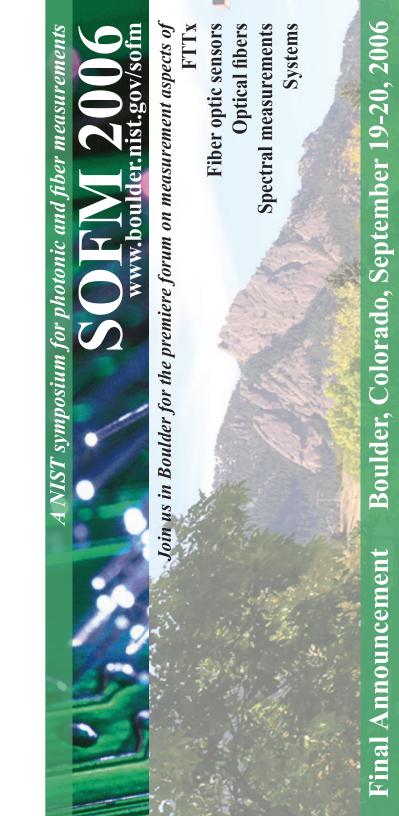
Rate: \$90 single + 10.25% tax

Boulder Outlook Hotel and Suites

800 28th Street, Boulder, CO 80303 Phone: (303) 443-3322 Fax: (303) 449-5130 Rate: \$79 single/double + 10.25 % tax

Rates valid until August 18, 2006





SOFM 2006 PROGRAM

SOFM consists of invited and contributed papers. workshops, and special sessions detailing measurement aspects of guided lightwave technology, photonic devices, and systems. This is the 14th SOFM, held at NIST in Boulder, Colorado, in even-numbered years since 1980.

This year's program, as diverse as any in the history of SOFM, includes the following areas:

Fiber Sensors

Invited - "Photonic Sensor Market Evolution **Opportunities and Metrology Needs"** David Krohn, Light Wave Venture

Contributions on theoretical and practical aspects of

sensors and NSOM from:

Mid-Sweden University, Fiberson, and Ericsson Network Technologies (Sweden) McMaster University (Canada) Colorado State University

Dispersion Metrology

Invited - "PMD: Measurement Method Linkages" Tom Hanson, Corning, Inc.

Contributions on PMD and wide-band and distributed chromatic dispersion from:

JDSU

Gwangju Institute of Science and Technology (Korea) Muroran Institute of Technology (Japan) National Physical Laboratory (UK)

Power-Related Metrology

Contributions on splices and coupling, return loss, power meter detector nonlinearity, clip-on monitoring, OTDR and SBS from:

> NTT Corporation (Japan) NIST and OZ-Optics Southeast University (China) Luna Technologies **EXFO**

Swedish National Testing and Research Institute (Sweden) Intelligent Automation, Inc.

> For full program, visit: www.boulder.nist.gov/sofm

Tutorial - FTTx Measurement Issues

Invited - "Critical Issues Relating to FTTH/PON Testing"

André Girard. EXFO

Invited - "WDM-PON for FTTx"

Byoung Kim, Novera Optics, Inc.

Invited - "FTTx Deployment Issues"

Jimmy Salinas, AT&T

Spectroscopic and Frequency Metrology

Invited – "Fiber Frequency Combs: **Development and Applications**"

Nathan Newbury, NIST

Contributions on frequency combs, supercontinua, and saturated absorption from:

Kansas State University Instituto de Física Aplicada and Universidad de Alcalá (Spain) National Physical Laboratory and Imperial College (UK)

Program Committee

T.J. Drapela, NIST (Symposium co-chair)

P.A. Williams, NIST (Symposium co-chair)

A. Barlow. PerkinElmer

A. Champavere, JDSU

G.W. Day, NIST

S.C. Fleming, *University of Sydney*

D.L. Franzen. NIST

N. Gisin, University of Geneva

M. Hackert, US Navy

T.A. Hanson, Corning

D.A. Humphreys, NPL

J. Jackel, Telcordia

D.Y. Kim. GIST

P. Kolesar, SYSTIMAX Solutions

D. Krohn, Light Wave Venture

G. Kuyt, Draka Comteg

A. McCurdy, OFS

G.W. Schinn, EXFO

C. Shaar. Photon Kinetics

H. Takara, NTT



Systems Metrology

Invited - "Monitoring OSNR in **Dynamic WDM Network**"

Yun Chung, KAIST

Invited – "New Methods for Investigating **Mode Coupling in Multimode Fiber: Impact on High-Speed Links** and Channel Equalization" Stephen Ralph, Georgia Tech

Contributions on optical signal quality and DMD measurements from:

NTT (Japan)

Gwangju Institute of Science and Technology (Korea)

Specialty Fibers

Invited – "Special Requirements for Measurement Techniques Used for POF and Thick Glass Fibers"

Olaf Ziemann. POF-AC

Invited - "Characterization of Hole-Assisted Fibers as **Single Polarization Fibers and Polarization Maintaining** Fibers"

Xin Chen, Corning, Inc.

Contributions on glass structure and index profiling from:

University of Melbourne and Victoria University of Technology (Australia) Université Paris Sud, Draka Comteg, and Université des Sciences et Technologies de Lille

Workshop - Fiber and Photonic Metrology Roadmapping

Which fiber and photonic areas look "bright" for future metrology-related research?

Hear short presentations from NIST, NPL, and industry experts.

Then join in an open discussion on metrology directions for the photonic industry.

Conference Reception

A dinner reception for all conference attendees will be held the evening of Tuesday, September 19th, at the Red Lion Inn located in scenic Boulder canyon.